

METHOD AND APPARATUS FOR CORRECTING AIRFOIL TWIST

ABSTRACT OF THE DISCLOSURE

5 A system for correcting twist in airfoil components includes a
first fixture assembly for holding a first end of an airfoil component and a
second fixture assembly for holding a second end of the airfoil component. A
rotary drive unit is provided for rotating the first fixture assembly. A gage is
included for measuring twist angle in the airfoil component, and a controller
controls the rotary drive unit in response to input from the gage to twist the
airfoil component. In operation, the airfoil component's twist angle measured
by the gage is fed to the controller. The controller computes how much the
airfoil component needs to be twisted to achieve a desired twist angle, and
10 the first fixture assembly is then rotated sufficiently to twist the airfoil
component to the desired twist angle.